Audience

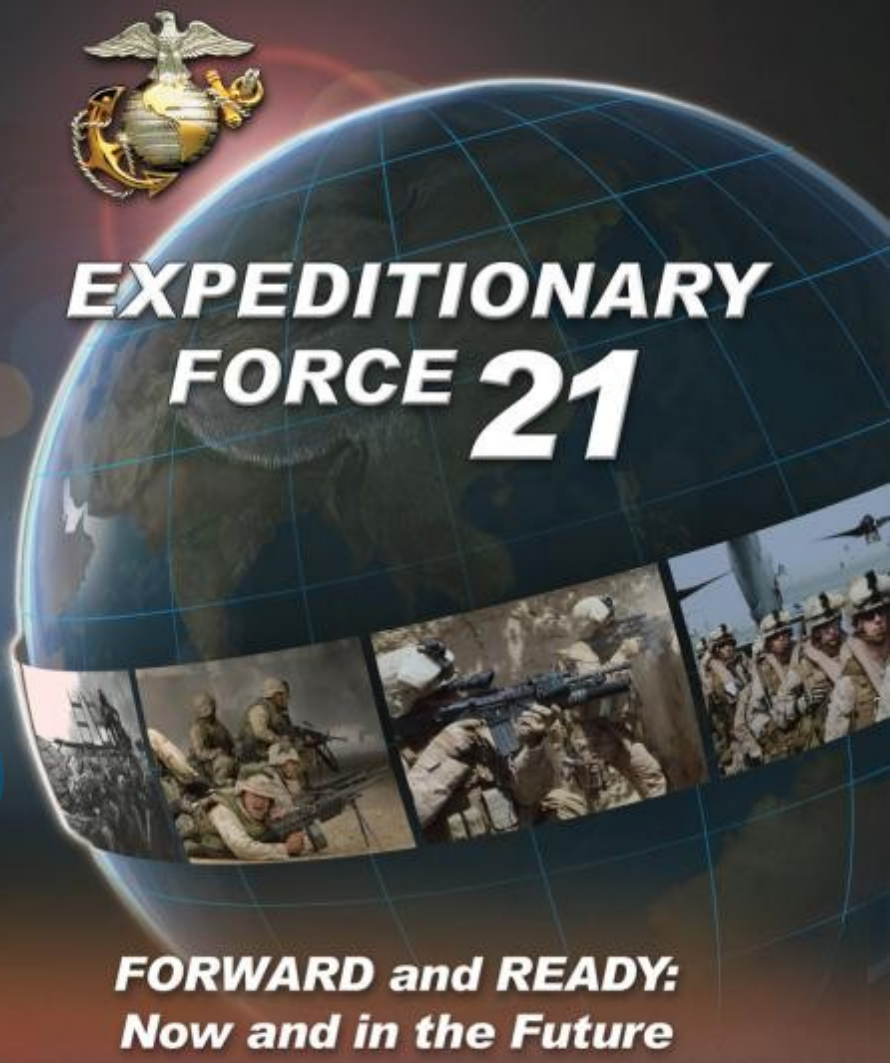
XXX

January 14, 2015

# Brief Title

***Briefer***

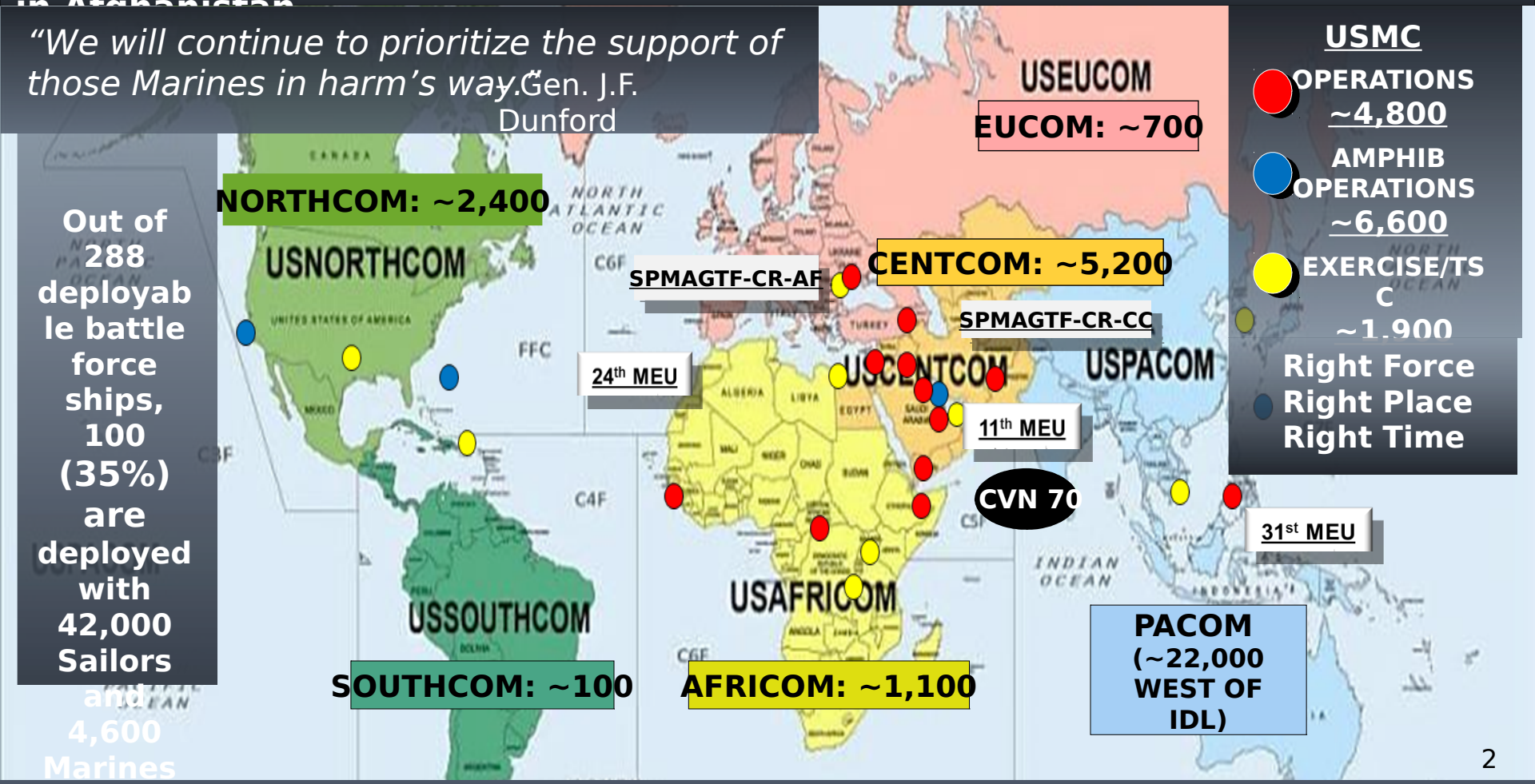
*Briefer Title*



# Current Situation

**~109,400 Operating Forces in Afghanistan** **~31,500 deployed** **~120**

*"We will continue to prioritize the support of those Marines in harm's way."* Gen. J.F. Dunford




**USMC**

- **OPERATIONS ~4,800**
- **AMPHIB OPERATIONS ~6,600**
- **EXERCISE/TSC ~1,900**

**Right Force Right Place Right Time**

**Out of 288 deployable battle force ships, 100 (35%) are deployed with 42,000 Sailors and 4,600 Marines**



**~188,800 on Active Duty** **184,100 FY15 End Strength** **182,000 FY16 Target End Strength**

Click to have video appear then move cursor to bottom of slide and click play button

# Expeditionary Force 21 Lines of Operation

## Refining Our Organization

- MEB focus for capability development (ME
  CONOPS)
- Flexibility in MAGTF employment models
- Sustainability within austere environments

## Adjusting Our Forward Posture

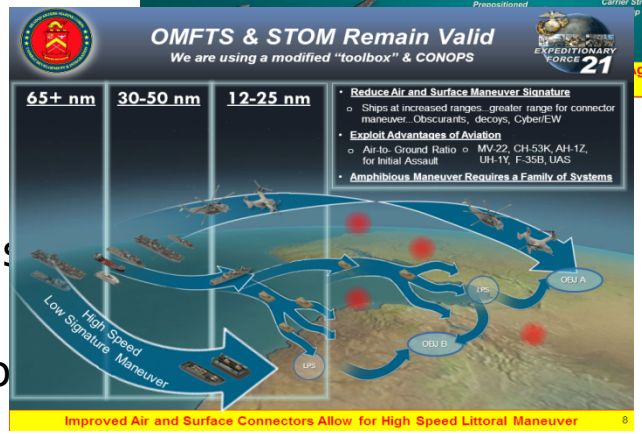
- 1/3 operating forces forward
- Agility to respond across a wider area
- Operational reach and posture that enables crisis response

## Increasing Naval Integration

- Integrating operational staffs
- Integrated concepts of operation
- Forward "compositing" at/near the crisis

## Enhancing Littoral Maneuver

- Employ dispersed forces from greater distances
- Maneuverable throughout the littorals
- High-speed, long-range high-capacity system o


OMFTS & STOM Remain Valid
We are using a modified "toolbox" & CONOPS
65+ nm
30-50 nm
12-25 nm
Reduce Air and Surface Maneuver Signature
Ships at increased ranges..greater range for connector maneuver..Obscurants, decoys, Cyber/EW
Exploit Advantages of Aviation
Air-to- Ground Ratio for Initial Assault
MV-22, CH-53K, AH-1Z, UH-1Y, F-35B, UAS
Amphibious Maneuver Requires a Family of Systems
High Speed
Low Signature Maneuver
LPS
OEU A
LPS
OEU B
Improved Air and Surface Connectors Allow for High Speed Littoral Maneuver
8

**Goal is to improve support to the Geographic Combatant Commanders**

# Expeditionary Force 21
## *Marine Expeditionary Brigade CONOPS*

- Rapidly deployable and JTF-capable CE with task-organized air-ground forces that are composited from forward-deployed and/or rapidly deployable forces in order to fulfill GCC operational requirements.

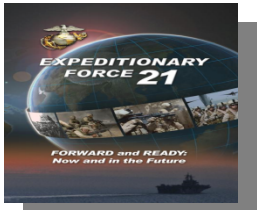
- Regionally orient MEBs to meet prioritized Combatant Commanders' operational requirements

| **Hours-5 Days** | **6-7 Days** | **25 Days** |
|---|---|---|
| CJTF Capable General Officer-led fly-in Command Element (CE) that builds on forward-deployed SPMAGTF, ARG/MEU, etc. | CJTF Capable General Officer-led CE that builds on forward-deployed SPMAGTF, ARG/MEU, etc.; augmented as necessary by additional rapidly deploying Marines, Joint or coalition forces | CJTF Capable General Officer-led CE that builds on forward-deployed SPMAGTF, MEU, and other forward-deployed joint and coalition forces. Likely includes regimental/group sized units |

# Navy Marine Corps Alignment

CNO's Navigation Plan 2015 - 2019

CMC Message to Marines




***Where it Matters When it Matters***

## Warfighting First

Be ready to fight and win today, while building the ability to win tomorrow

## Operate Forward

Provide offshore options to deter, influence and win in an era of uncertainty

## Be Ready

Harness the teamwork, talent and imagination of our diverse force to be ready to fight and responsibly employ our resources

CS21

Naval Board

Naval TEEP

ESG/MEB

MOC

JFMCC

Wargames

Exercises

***Right Force Right Place Right Time***

## Prioritize Marines in Harm's Way

Maintain well-trained well-equipped Marines in a high state of readiness

## Forward Deployed Forward Engaged Crisis Response

Forward-deployed posture to meet crisis response requirements

## Expeditionary Force-in-Readiness

Developing and fielding innovative, relevant, naval, expeditionary force-in-readiness capabilities

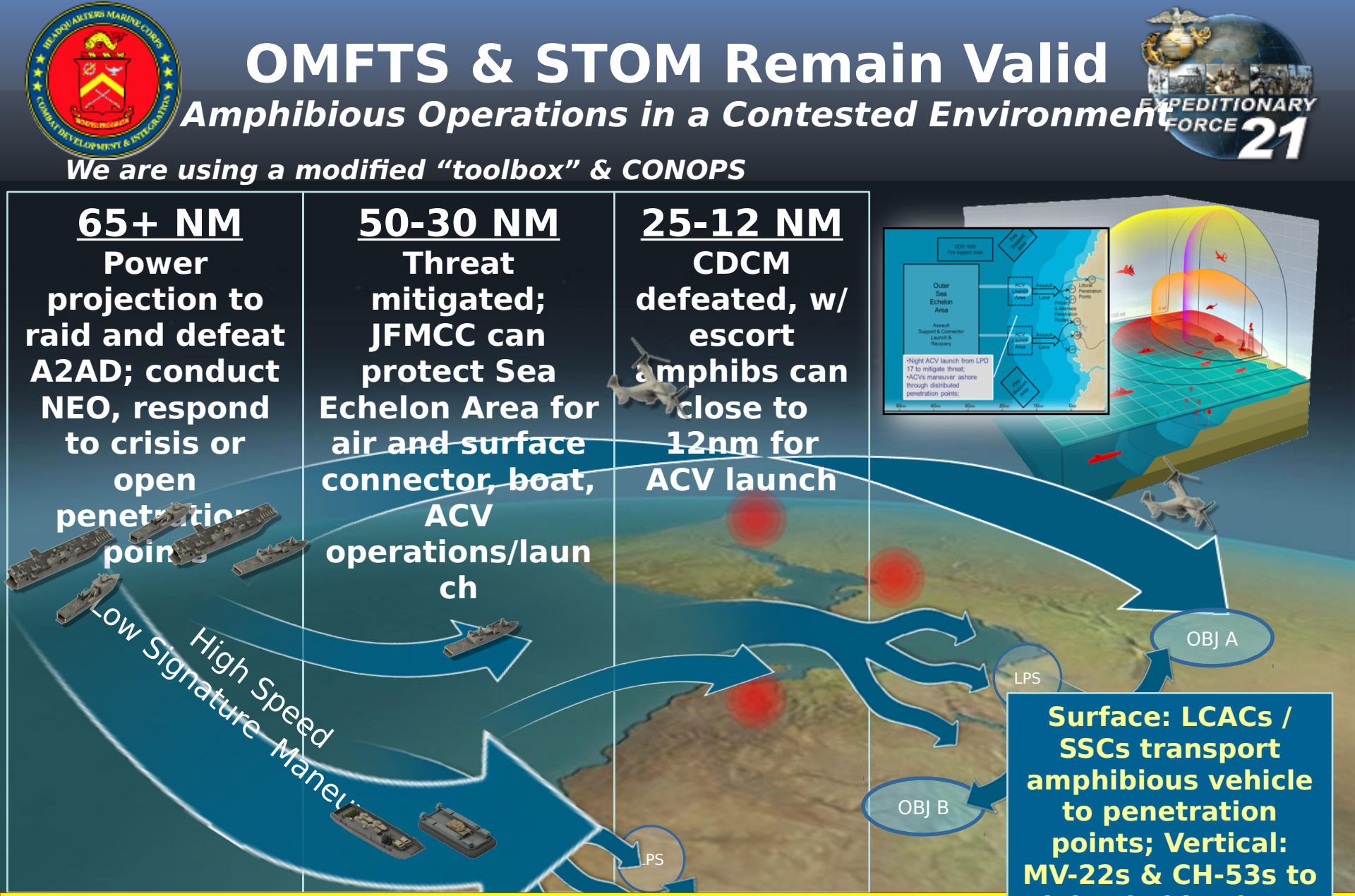
**Increasing Relevance of Naval Forces to GCCs and National Security**

# OMFTS & STOM Remain Valid

## *Amphibious Operations in a Contested Environment*

***We are using a modified "toolbox" & CONOPS***

| 65+ NM | 50-30 NM | 25-12 NM |
|---|---|---|
| **Power projection to raid and defeat A2AD; conduct NEO, respond to crisis or open penetration points** | **Threat mitigated; JFMCC can protect Sea Echelon Area for air and surface connector, boat, ACV operations/launch** | **CDCM defeated, w/ escort amphibs can close to 12nm for ACV launch** |




- **Littoral Maneuver we use the sea to our advantage and project power from greater range with reduced exposed signature. A feasible *littoral maneuver CONOPS* exists today and with a system of air/surface maneuver capabilities**

# Expeditionary Force 21

## *...Driving Solutions to Gaps*

**Enhance Mobility**
(ACV, ITV Smaller Cheaper, Exoskeleton)

**ACV 2.0 & Next Gen Connector**
(Splash from Connector~20nm speed)

**Operating from More Platforms**
( Increase Availability, Modify Platforms, fit FIE on MSC)

**Increase lethality–Leverage Fires**
(HIMARS, BMD Ashore & Enhanced Munitions)

**Austere/Distributed Sustainment**
(E2O, Reduce Lift & Footprint, Lighten the Load)

**Composited Combined-Naval C2**
(Interoperabiliy, Cyber/EW, Tech Denied Capability)

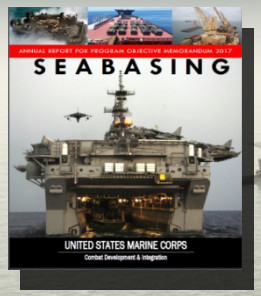
**Better Integrate Navy Functions**
(NECC, Beach Master, Landing Support, Riverine)

**Distributed STOVL/Max Aviation**

**...and Exercise, Exercise, Exercise...**

# Integrating Seabasing Capability

**Deployment, assembly, command, projection, sustainment, reconstitution and reemployment of joint power from the sea without reliance on land bases within the operational area …**

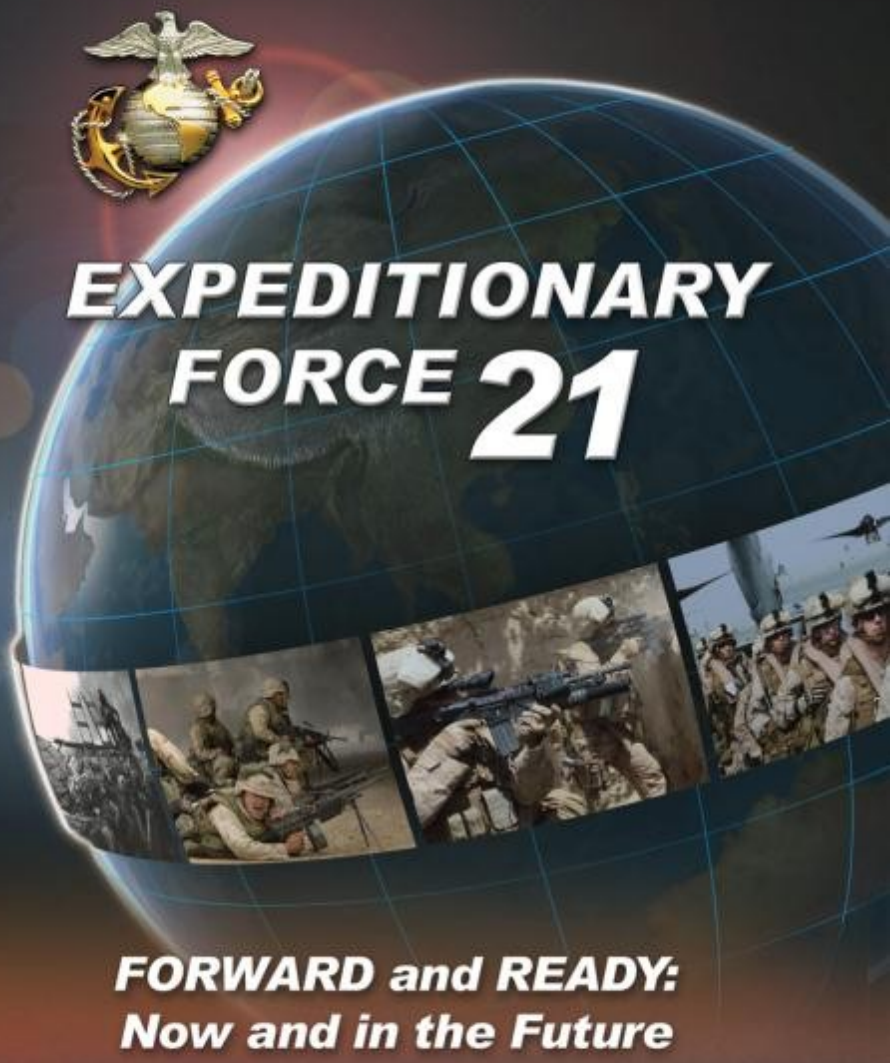



***Now Online***

**…while using the sea as maneuver space and generating global force power projection**

*"AMPHIBIOUS FLEXIBILITY IS THE GREATEST STRATEGIC ASSET THAT A SEA-BASED POWER POSSESSES."*

**- B.H. LIDDELL HART, DETERRENCE OR DEFENSE, 1960**




# QUESTIONS

Expeditionary Force 21 Website: http://www.mccdc.marines.mil/EF21.aspx

# BACKUPS

# In Summary…The Challenges

- Integrating air and surface capabilities at the Seabase
- Developing surface connectors with greater speed, range and capacity
- Integrating forward stationed and deployed naval forces – Today's Crisis, Todays Force, Today
- Developing integrated naval, joint and coalition C2 systems
- Conducting fully integrated amphibious operations above the ARG/MEU level
- Synchronizing naval wargames, table tops and exercises
- Developing leaders that understand commander's intent and thrive in uncertainty
- Increasing amphibious ship availability

# Major Rocks in the Rucksack

- Institutionalizing Expeditionary Force 21
- Developing an Executable Combat and Tactical Vehicle Strategy
- Developing and Resourcing Amphibious Shipping and Connectors Strategy
- Developing a Naval TEEP (USMC and Navy)
- Training and Educating the Force

# Seabasing Box Score

29 Oct 2014

| Issue | End State | Rationale |
|---|---|---|
| Amphibious Combat Vehicle | 392 AAV Survivability Upgrade Program (SUP)<br>204 ACV 1.1 | Maintain amphibious ship-to-shore mobility and improve infantry protected maneuver ashore. |
| Amphibious Warfare Ships | Requirement: 17 x 2 MEB AE = 34 / .9 = 38<br>Inventory: 15 x 2 MEB AE = 30 / .9 = 33 | Requirement: 38<br>Risk Inventory: 33<br>Wartime Ao: 30 |
| Connectors | Comprehensive connector strategy for surface and vertical capabilities, current and future. ACV and AAV launch from LCAC/SSC, SC(X)-R, JHSV. | Enhance ability to maneuver personnel, supplies, and equipment to/from objectives ashore and among seabased platforms. |
| Seabasing Command and Control | Naval C2 architecture to support full-spectrum seabased operations. | Address critical Naval C2 gaps in executing EF-21 operating concept. |
| MV-22 Certification | MV-22 certified to operate across amphibious ships, MPS, JHSV, AFSB, and strategic sealift ships. | Provide greatest range of flexibility to accomplish seabased aviation operations. |
| LX(R) | LPD 17 Hull Form Derivative<br>FY20 Start; 11 Ship Procurement | Support MAGTF warfighting and independent operations across ROMO. |
| LHA 8 | Well Deck and Reduced Island<br>FY 17 Start | Preserve robust aviation capacity while restoring surface interface capability. |
| Seabasing S&T and R&D | Joint seabasing interoperability and enhanced capability to execute EF-21 operating concept | Seek S&T and R&D innovations, experiment, and invest in proven technologies. |
| MPF (Seabasing Enabled) Squadron Composition | MPSRON 2 (Diego Garcia):<br>3 x LMSR, 2 x T-AK, 1 x T-AKE, 1 x MLP<br>MPSRON 3 (Guam/Saipan):<br>2 x LMSR, 3 x T-AK, 1 x T-AKE, 1 x MLP | Enable sea state-3 equipment and supply selective offload and transfer via LMSR, MLP T-AKE, MV-22, and Navy/Joint lighterage. |
| Baseline MEB | 2013 re-baselined MEB structure to support EF-21 and "New Norm" COEs for crisis response, rapid aggregation, and force employment across ROMO. | Maintain updated planning tool to establish amphibious ship metrics and identify, deploy and employ forces across ROMO. |

# OMFTS & STOM Remain Valid

## *We are using a modified "toolbox" & CONOPS*

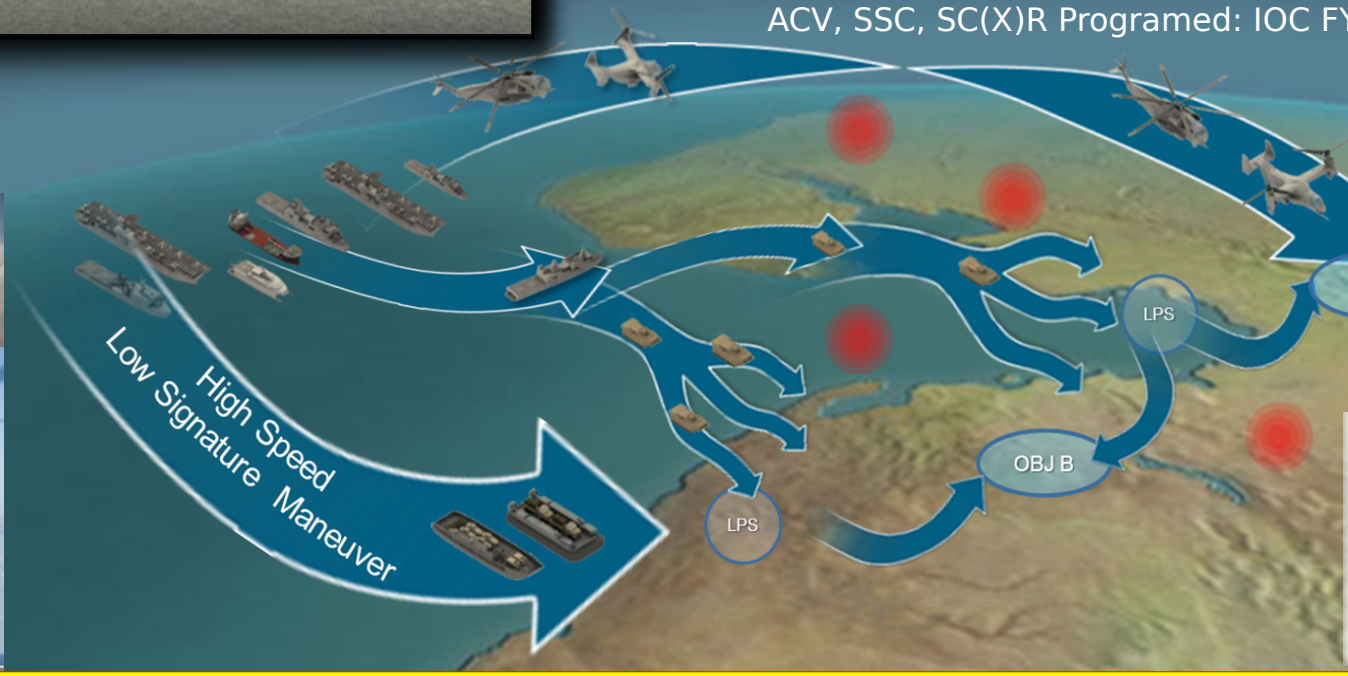
EXPEDITIONARY FORCE 21

### Family of Systems

### Current Surface Connectors

ACV, SSC, SC(X)R Programed: IOC FY20-22

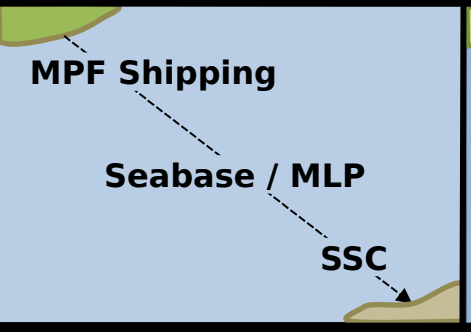
### Air Connectors

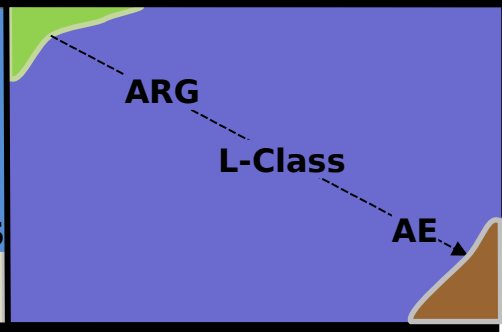



### Future

**Greater Operational Agility Required to Meet Future Challenges**

# ACV 1.1 Delivery Methods






## Seabase

**ACV 1.1 can provide protected mobility to an infantry unit which was vertically inserted earlier in an operation.**

**ACV 1.1 can be part of the follow-on echelon arriving at the Sea Base via MPF shipping.**

## Secured Port

**In scenarios where ACV 1.1 is located within JHSV range of the objective area, it can be embarked at an advanced base or via a MLP for movement to a secured austere port.**

## In-stream

**If a port is not available ACV 1.1 can be offloaded to a RRDF and utilize either the INLS or LCU for movement to a secured beach.**

**An in-stream offload is used when piers are not available but the situation permits anchoring ships near the shore.**

## Assault Echelon

**If ACV 1.1 meets objective swim and L-class interoperability requirements it may be used in the assault echelon.**

# Seabasing Related Capability Gaps

**Surface Assault During Amphibious Maneuver**

**Ship to Shore Connectors**

**Amphibious Force Sufficiency and Strategic Lift**

**C2 Aboard Non-Traditional Naval Platforms**

**AAV At-Sea Recovery**

**Engage Direct Fire Targets During Amphibious Operations**

**Conduct MPF Operations**

**Spatial & Situational Awareness During Amphibious Operations**

**NSFS for MAGTF Operations**

**Clear Assault Lanes / Craft Landing Zones During Amphibious Operations**

**Seabasing Force Preparation**

# Family of Connectors

## Existing Surface

**LCAC**
Program of Record: 72 Craft

**LCU**
Program of Record: 32 Craft

**JHSV**
Program of Record: 10 (3 delivered)

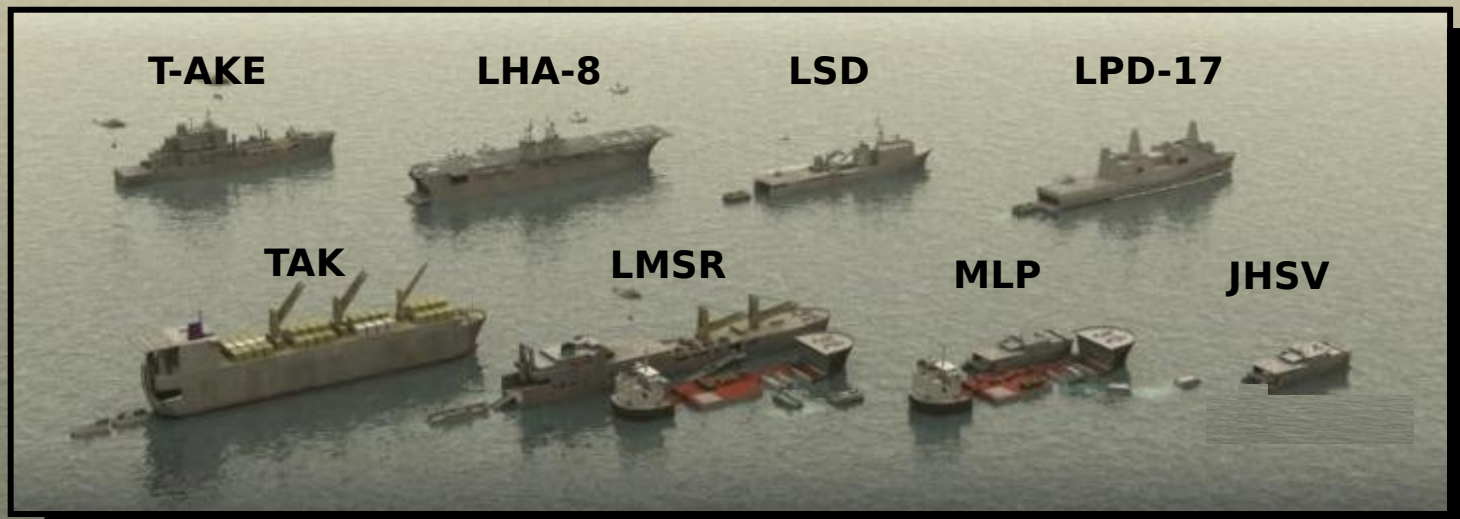
**MLP**
Program of Record: 4 (2 MLPs, 2 AFSB)

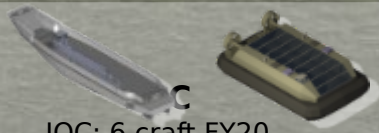
## Existing Vertical

**CH-53K**
Program of Record: 200

**MV-22**
Program of Record: 360

**UH-1Y**
Program of Record: 160



**SC (X)-R**
IOC: 6 craft FY22
FOC: 32 craft FY26

**C**
IOC: 6 craft FY20
FOC: 72 craft *FY29

**ACV**
IOC: 204 FY20
FOC: 694 TBD

Programed

**Next Generation**

Future

Way Ahead: Provide Superior Amphibious Capability for the Combatant Commanders

# Family of Connectors

SSC
craft FY20
craft *FY29

SC (X)-R
IOC: 6 craft FY22
FOC: 32 craft FY26

**Way Ahead: Provide Superior Amphibious Capability for the Combatant Comman**

# Ground Combat & Tactical Vehicle Strategy

## Sustainment

* Supports the 182k end strength force

**ITV**
#411

**LAV**
#925

**HMMWV ECV & A2**
#18,172

**AAV**
#1,058

**MTVR**
#8,750

**MRAP**
#2,510

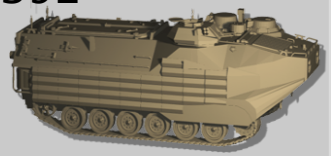
**LVSR**
#2,000

**M1A1**
#371

## Selected Upgrades & Recapitalization

**ACV:** #694
IOC: 2020
FOC: 2028

**AAV SUP:** #392
IOC: 2019
FOC: 2023



**ITV:** #411
IOC: ~2021
FOC: ~2026

**JLTV:** #5,500
IOC: 2018
FOC: 2021

***Strategy favors recapitalization/upgrade of selected systems and sustainment of legacy systems over modernization of legacy systems***

# Enhanced Naval Integration

- Develop a naval compositing concept
- Develop modular Fly-In-Command-Elements that can fit aboard Navy/MSC shipping
- Enhance the ability to operate from all naval platforms
- Integrate functions such as beach master and landing support, and small boats and riverine units
- Integrate maritime security from multiple platforms and forces

Develop naval solutions to operational problems